Shoff Fidens?

IBRATION/ BEAF		

			ob Bearing Temp F	GE Shaft B		rob Bearing	Vibr Brg Tmp Alm/Trp Alm/Trp
Bearing T1 HP Turbine	0.59	0.82 2.23	197	夏2.70	4.12 3.61	198	5.0/ 7.0 225/ 250
Bearing T2	2 59	3.93 4.87	(170 et	3.08	3.61 2.40	188	5.0/ 7.0 225/ 250
Coupling A Thrust Brg <sup>inact</sup>	ive (frnt)- top/b e (rear)- top/b	ot 5	147 142 157 159			  48	10 225/ 250 20 225/ 250
Bearing T3	3.73	4.18 1.76	206	₿ 2.64	4.01 4.43	192	5.0/ 7.0 225/ 250
Bearing T4 Coupling B	2.68	3.32 2.48	204	2.44	3.04 2.18	213	5.0/ 7.0 225/ 250
Bearing T5 LP A Turbine	0.51	2.75 3.25	189	0.46	1.26 2.88	219	5.0/ 7.0 225/ 250
Bearing T6	1.73	1.74 1.80	180	1.55	1.90 a0.49	192	7.0/ 10.0 225/ 250
Coupling C – Bearing T7 LP B Turbine	023	1.35 0.64	192	0.81	2.29 0.62	186	7.0/ 10.0 225/ 250
Bearing T8 Coupling D	2.05	2.09 1.63	180	1.50	0.78 0.52	185	7.0/ 10.0 225/ 250
Bearing T9 LP C Turbine	<b>(</b> 037 <b>)</b>	0.67 0.59	183	0.95	3.13 1.15	196	7.0/ 10.0 225/ 250
Bearing T10 Coupling E	1.32	1.39 0.79	180	2.47	3.45 2.09	184	7.0/ 10.0 225/ 250
Bearing T11 Generator	0.82	1.05 0.86	177	1.51	1,36 0.87	192	7.0/ 10.0 225/ 250
Bearing T12	1.52 🕌	1.18 0.82	174 174	1.32	0.92 0.74	175	7.0/ 10.0 225/ 250
Steady bearing T13	1.47	1.19	148 148	1.90 🍇	2.09 1.43	144 🦋	5.0/ 7.0 225/ 250
Highest TGSI bearing Highest TGSI Jrnl E 2nd high TGSI Jrnl TGSI Thrust Brg Mo	lrg Spk Diff Brg Spk Diff	Г Т	113 22 319 22 320 22 -148 160	0.12 22		320 92 322 99 149 154	

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<u>. I</u>	UNIT 1	UNIT 2
Load, gross (coax/tgsi)	876 870	899 888
Turbine RPM	3601	3602
Turb Lube Oil Temp (cold/hot)	114 150	114 149
Turb Lube Water Temp (cold/hot)	91	89
Turb Lube Oil Header Press	52	49
Eccentricity Turb Stand/ High (in)	0.05 0.28	0.05 0.28
Differential Expansion 1&2 (in)	0.49 0.46	0.54 0.33
Rotor Expansion (in)	1.07	0.98
Shell Expansion 1&2 (in)	1.76 0.90	1.74 0.95

## NOTES:

Bearing Temp- high bearing trip point at 250F is manual (not auto) Rotation CCW (T to G), B/N probes 1st probe w/rotation is X (right side) Shaft riders- 60 degr from r horz joint, B/N- 45 and 135 from r horz joint GE shaft riders- shaft displacement @ bearing locations, absolute

Bently Nevada proximity probes- shaft displacement, relative

T-G Bearings: Double Tilt Pad- 1-5 &13, Shortened Elliptical- 6-12 Thrust Bearing- double thrust runner

LPA Turbine- earth keyed, LPB & LPC also keyed & expand out

Key Phase Reference- in-line w/ GE shaft riders @ 60

Painted Phase reference @ turning gear (LH horz joint), phase angles increase going against rotation

Balance weight access doors at 45?? (RH horz joint)

CHECK: TGSI spike monifor vibi points??, crosscheck against PI screens and Fox 1A screens

PEDESTAL CONCERNS—walk basement & 2nd floors, close all doors and vouvers plus 3rd floor PRVs TEMP SENSITIVE- drop Main Stm & Hot Reheat Temps, by blowing furnace walls, by dropping O2, & not sootblowing

THROTTLE PRESS & VALVE POS- go to sliding press/ drop throttle press & increase valves wide open. LOAD SENSITIVE- drop load 50 to a 100 MW (load other unit), initially vibr may go up

BAD INDICATION BISINESS

Problems: IP(TS/TD)
UITIOTS - Searches very load sensitive / Herman sensitive ity
Booking Temp T2 - Hera low / DT between T3. Ty 40\*
T3. Ty 20 Fabour away 20 F

Ma

U) T3+T4- bearing very load sensitive